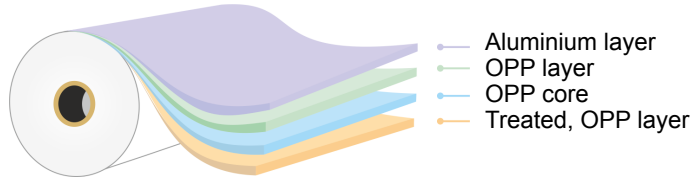


# Barrier Film Metallised For Sandwich Lamination

## HST-2(SHP) MO

### Structure



### Description

It is a co-extruded, one side metallised and both side treated Bi-axially Oriented Polypropylene film.

### Features

- Outstanding metal appearance
- Excellent metal adhesion to film
- Very Good barrier to moisture and light
- Good gas barrier

### Applications

- Inner web in multi-layer laminate

### Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-2(SHP) MO	
<b>Physical Data</b>					
Average Thickness		Micron	D-374-C	15	18
		Gauge		60	72
		Mils		0.6	0.7
Thickness Variation		%(±)		3	
Density		g/cc		0.905	
Average substance		g/m <sup>2</sup>		13.6	16.3
Kinetic COF			D-1894	0.30-0.45	
Yield		m <sup>2</sup> /Kg	D-4321	73.5	61.3
		in <sup>2</sup> /lb		51676	43098
<b>Optical Data</b>					
Optical Density			CTM	2.3-2.5	
<b>Mechanical Data</b>					
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	1200-1500	
	TD			2400-2800	
Elongation	MD	%	D-882	130-180	
	TD			30-80	
<b>Thermal Data</b>					
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	2.0-4.0	
	TD			1.0-3.0	
<b>Barrier Data</b>					
MVTR (38°C, 90% RH)		g/m <sup>2</sup> /day	F-1249	<0.45	
MVTR (100 °F,90%RH)		g/100 in <sup>2</sup> /day	F-1249	<0.029	
OTR (23°C, 0% RH)		cc/m <sup>2</sup> /day	D-3985	<100	
OTR (73°F, 0% RH)		cc/100 in <sup>2</sup> /day	D-3985	<6.45	

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

**Disclaimer :** The information provided above is based on COSMO FILMS LTD's conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications

**Storage condition :** Storage temperature to be maintained 25 Deg.C (+/-5 Deg C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level.

**Note :** Treatment values in metallized films tend to decay over a period of time during transportation & subjected to storage conditions, hence it is recommended to check the treatment prior to processing & if reduction is observed then go for online treatment, high adhesive GSM & a suitable primer may be applied.

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